EXPLORE

Industrial Engineering

PennState
College of Engineering

The industrial engineering program at Penn State is consistently ranked as one of the top programs in the United States by U.S. News & World Report.

Our curriculum provides a broad-based education in human factors and ergonomics, manufacturing, optimization, and data analysis as applied to production, supply chain, and service engineering problems.

The program provides a strong foundation for students through mathematics, physics, and engineering sciences, along with hands-on laboratory and industrial experiences, to become professionally competent and versatile industrial engineers.

Our graduates are trained to excel as engineers and managers in both a traditional manufacturing environment and in service systems within a broad global context.

Industrial engineers from Penn State have established successful careers in financial services, communications, information technology, transportation, health care, consulting, and academia.

Students have access to speakers, career fairs, plant tours, conferences, competitions, professional contacts, leadership opportunities, and social events.

We also work with several professional industrial engineering societies to provide students with opportunities to explore industrial engineering beyond the classroom and to network with Penn State industrial engineering alumni.

Engineering Co-op & Internship Program

Integrate classroom learning with real-world experience

Study Abroad Program

Gain a worldwide perspective as you develop foreign language skills, cultural understanding, and professional experience

Graduate Program

Broaden educational credentials and improve your marketability in the global workplace

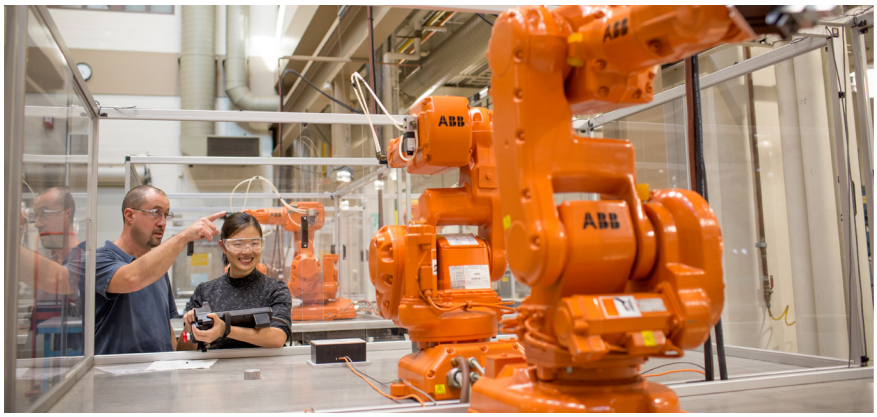
AVERAGE ENTRY-LEVEL SALARY OF INDUSTRIAL ENGINEERING GRADUATES

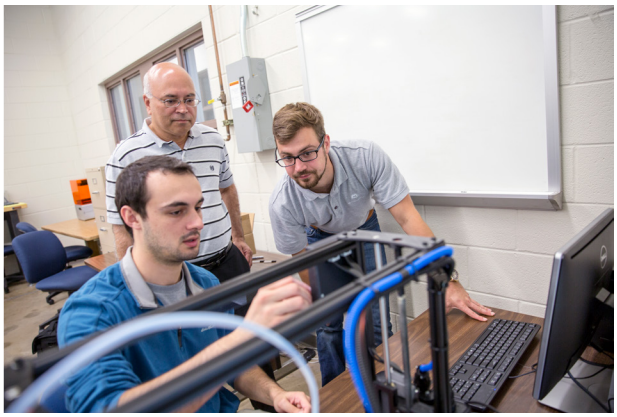
$75,588

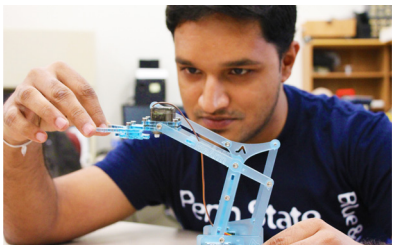
bit.ly/engr-salaries

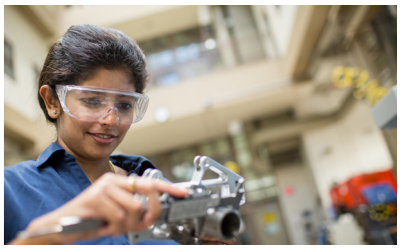
IE

Hear from students and alumni by watching the Exposure to Major video series: **bit.ly/PennStateEngineering**









What is an industrial engineer?

Industrial engineers design analyze, and manage integrated systems and processes to improve productivity, safety, and quality. Industrial engineers determine how organizations can operate efficiently and effectively through eliminating wasted time, materials, and money. Rooted in the sciences of engineering, the analysis of systems, and the management of people, industrial engineers work to improve a wide variety of systems, including manufacturing consumer products, logistics, financial operations, health care systems, and amusement park operations. Industrial engineers are responsible for refining the effectiveness and the competitiveness of an organization.

Examples of career opportunities: Industrial engineers work in almost every company you can think of, including in manufacturing, logistics, entertainment companies, the health care industry, and in agriculture. Typically, few in any organization, industrial engineers tend to take on prominent levels of responsibility in a company as soon as they are hired. Because industrial engineers come to understand the entire enterprise and help the entire company run efficiently, they often move into leadership positions.

Stephanie Vojtek

"Studying industrial engineering leads to diverse opportunities and flexibility in the professional world. I especially like Penn State's program because it facilitates students molding their own personal experience with a wide range of courses, research labs, and related clubs and organizations to develop our future careers. From the faculty and staff to the labs and facilities, they are dedicated to supporting us, challenging us, and preparing us to be the best engineers possible."

ime.psu.edu